EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4	"2003027286"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 09:46
L2	6	Haselbeck-R.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 09:47
L3	56	jensen-p.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:40
L4	94	hammer-k.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:41
L5	0	hammer-k.in. and jensen-p.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:41
L6	0	L3 and L4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:41
L7	0	L3 and (promoter near (set or library))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:42
L8	1	L4 and (promoter near (set or library))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:42
L9	684	(promoter near (set or library))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:42

EAST Search History

L10	294	artificial and (promoter near (set or library))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:43
L11	8	artificial with (promoter near (set or library))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:43
L12	0	L11 and @ad<="19960823"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:47
L15	2	L11 and @ad<="19970825"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:46
L16	9	(optimized or optimize or optimization or artificial) with (promoter near (set or library))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:46
L17	3	L16 and @ad<="19970825"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:46
L18	1	L17 and @ad<="19960823"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:52
L19	0	(((optimized or optimize or optimization or modified or randomized or randomize or randomization or artificial) with promoter) near (linker or spacer))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:48
L20	29	(optimized or optimize or optimization or modified or randomized or randomize or randomization or artificial) same (promoter adj (set or library))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:49
L21	94	((optimized or optimize or optimization or randomized or randomize or randomization or artificial) same (promoter near3 (set or library)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:49

EAST Search History

L22	9	(optimized or optimize or optimization or artificial) with (promoter near (set or library))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:51
L24	4	L22 and ((Lactic adj acid adj bacteria) or lactis or Bacillus or (coli) or (Escherichia adj coli) or pseudomonas or enterobacteriaceeae or prokaryotic or procaryotic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:53
L25	1	L24 and @ad<="19960823"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:53
L26	69	L21 and ((Lactic adj acid adj bacteria) or lactis or Bacillus or (coli) or (Escherichia adj coli) or pseudomonas or enterobacteriaceeae or prokaryotic or procaryotic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:53
L27	9	L26 and @ad<="19960823"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:54
L28	19	L20 and ((Lactic adj acid adj bacteria) or lactis or Bacillus or (coli) or (Escherichia adj coli) or pseudomonas or enterobacteriaceeae or prokaryotic or procaryotic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:53
L29	4	L28 and @ad<="19960823"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 10:54

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	47	(promoter near (set or library)).clm.	US-PGPUB; USPAT	OR	ON	2006/11/16 15:07
L2	2	(optimized or optimize or optimization or artificial) with (promoter near (set or library)).clm.	US-PGPUB; USPAT	OR	ON	2006/11/16 15:10
L3	2	(artificial with (promoter near (set or library))).clm.	US-PGPUB; USPAT	OR	ON	2006/11/16 15:11
L4	2	(optimized or optimize or optimization or artificial) with (promoter near (set or library)).clm.	US-PGPUB; USPAT	OR	ON	2006/11/16 15:13
L5	3	((optimized or optimize or optimization or modified or randomized or randomize or randomization or artificial) same (promoter adj (set or library))).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/11/16 15:17
L7	46	(((optimized or optimize or optimization or modified or randomized or randomize or randomization or artificial) with promoter) and (linker or spacer)).clm.	US-PGPUB; USPAT	OR	ON	2006/11/16 15:14
L8	4	((optimized or optimize or optimization or randomized or randomize or randomization or artificial) same (promoter near3 (set or library))).clm.	US-PGPUB; USPAT	OR	ON	2006/11/16 15:17
L9	9	L1 and ((Lactic adj acid adj bacteria) or lactis or Bacillus or (coli) or (Escherichia adj coli) or pseudomonas or enterobacteriaceeae or prokaryotic or procaryotic).clm.	US-PGPUB; USPAT	OR	ON	2006/11/16 15:17
L10	2	L2 and ((Lactic adj acid adj bacteria) or lactis or Bacillus or (coli) or (Escherichia adj coli) or pseudomonas or enterobacteriaceeae or prokaryotic or procaryotic).clm.	US-PGPUB; USPAT	OR	ON	2006/11/16 15:17
L11	2	L3 and ((Lactic adj acid adj bacteria) or lactis or Bacillus or (coli) or (Escherichia adj coli) or pseudomonas or enterobacteriaceeae or prokaryotic or procaryotic).clm.	US-PGPUB; USPAT	OR	ON	2006/11/16 15:17

EAST Search History

L12	2	L4 and ((Lactic adj acid adj bacteria) or lactis or Bacillus or (coli) or (Escherichia adj coli) or pseudomonas or enterobacteriaceeae or prokaryotic or procaryotic).clm.	US-PGPUB; USPAT	OR	ON	2006/11/16 15:17
L13	3	L5 and ((Lactic adj acid adj bacteria) or lactis or Bacillus or (coli) or (Escherichia adj coli) or pseudomonas or enterobacteriaceeae or prokaryotic or procaryotic).clm.	US-PGPUB; USPAT	OR	ON	2006/11/16 15:17
L14	12	L7 and ((Lactic adj acid adj bacteria) or lactis or Bacillus or (coli) or (Escherichia adj coli) or pseudomonas or enterobacteriaceeae or prokaryotic or procaryotic).clm.	US-PGPUB; USPAT	OR	ON	2006/11/16 15:17
L15	2	L8 and ((Lactic adj acid adj bacteria) or lactis or Bacillus or (coli) or (Escherichia adj coli) or pseudomonas or enterobacteriaceeae or prokaryotic or procaryotic).clm.	US-PGPUB; USPAT	OR	ON	2006/11/16 15:16

```
(2N) (SET OR LIBRARY))
S7          5    S S6 AND ((LACTIC (W) ACID (W) BACTERIA) OR LACTIS OR BACILLUS OR (COLI)
OR (ESCHERICHIA (W) COLI) OR PSEUDOMONAS OR ENTEROBACTERIACEEAE OR PROKARYOTIC OR
PROCARYOTIC)
S8          5    RD  (unique items)
S9          0    S S12
S10        12    S S6
S11         7    RD  (unique items)
S12         5    S S11 NOT PD>960823
S13        10    S ARTIFICIAL(3N) (PROMOTER (2N) (SET OR LIBRARY))
S14         5    RD  (unique items)
S15       103    S (OPTIMIZED OR OPTIMIZE OR OPTIMIZATION OR MODIFIED OR RANDOMIZED OR
RANDOMIZE OR RANDOMIZATION OR ARTIFICIAL) (S) (PROMOTER (3N) (SET OR LIBRARY))
S16         4  · S ((OPTIMIZED OR OPTIMIZE OR OPTIMIZATION OR MODIFIED OR RANDOMIZED OR
RANDOMIZE OR RANDOMIZATION OR ARTIFICIAL) (S) (PROMOTER (3N) (SET OR LIBRARY)) (S)(LINKER
OR SPACER))
S17         4    RD  (unique items)
S18        52    S S15 AND ((LACTIC (W) ACID (W) BACTERIA) OR LACTIS OR BACILLUS OR (COLI)
OR (ESCHERICHIA (W) COLI) OR PSEUDOMONAS OR ENTEROBACTERIACEEAE OR PROKARYOTIC OR
PROCARYOTIC)
S19        23    RD  (unique items)
S20        18    S S19 NOT PD>960823
S21        79    S (OPTIMIZED OR OPTIMIZE OR OPTIMIZATION OR RANDOMIZED OR RANDOMIZE OR
RANDOMIZATION OR ARTIFICIAL) (S) (PROMOTER (3N) (SET OR LIBRARY))
S22         0    S S S20 AND (OPTIMIZED OR OPTIMIZE OR OPTIMIZATION OR MODIFIED OR
RANDOMIZED OR RANDOMIZE OR RANDOMIZATION OR ARTIFICIAL) (S) (PROMOTER (3N) (SET OR
LIBRARY))
S23        18    S S20 AND (OPTIMIZED OR OPTIMIZE OR OPTIMIZATION OR MODIFIED OR RANDOMIZED
OR RANDOMIZE OR RANDOMIZATION OR ARTIFICIAL) (S) (PROMOTER (3N) (SET OR LIBRARY))

?
```

[File 185] **Zoological Record Online(R)** 1978-2006/Nov

[File 357] **Derwent Biotech Res.** _1982-2006/Nov W3

[File 369] **New Scientist** 1994-2006/Sep W2

[File 370] **Science** 1996-1999/Jul W3
File 370: This file is closed (no updates). Use File 47 for more current information.

[File 391] **Beilstein Reactions** 2006/Q3

[File 434] **SciSearch(R) Cited Ref Sci** 1974-1989/Dec

[File 467] **ExtraMED(tm)** 2000/Dec

```
? au=hammer,k
>>>E:  Unrecognizable command

?  s au=hammer, k
S1          80    S AU=HAMMER, K

?  s au=jensen, p
S2         257    S AU=JENSEN, P

?  s s1 and s2
            80    S1
           257    S2
S3           0    S S1 AND S2

?  s ((s1 or s2) and (promoter (n)(set or library)))
            80    S1
           257    S2
        822325    PROMOTER
       1634942    SET
        480091    LIBRARY
           338    PROMOTER(N)(SET OR LIBRARY)
S4           2    S ((S1 OR S2) AND (PROMOTER (N)(SET OR LIBRARY)))

?  rd
>>>W:  Duplicate detection is not supported for File 391.
Records from unsupported files will be retained in the RD set.
S5           2    RD  (UNIQUE ITEMS)

?  t s5/medium/all
```

5/3/1 (Item 1 from file: 24) <u>Links</u>
    Fulltext available through: <u>John Wiley and Sons</u>   <u>USPTO Full Text Retrieval Options</u>   <u>SCIENCEDIRECT</u>
CSA Life Sciences Abstracts

0001865675   IP Accession No: 4349812
Artificial promoters for metabolic optimization

Jensen, PR; **Hammer, K** Department of Microbiology, Technical University of Denmark, Building 301, DK-2800 Lyngby, Denmark

5/3/2 (Item 2 from file: 24) **Links**
   Fulltext available through: USPTO Full Text Retrieval Options   SCIENCEDIRECT
CSA Life Sciences Abstracts

0001815938   IP Accession No: 4281849
The sequence of spacers between the consensus sequences modulates the strength of prokaryotic promoters

Jensen, PR; **Hammer, K** Department of Microbiology, Technical University of Denmark, Building 301, DK-2800 Lyngby, Denmark, [mailto:prj@im.dtu.dk]

Document Type: Journal Article
Record Type: Abstract
Language: English
Summary Language: English
File Segment: Nucleic Acids Abstracts; Bacteriology Abstracts (Microbiology B)

```
?   s (optimized or optimize or optimization or artificial) (3n) (promoter (2n) (set or
library))
            261094    OPTIMIZED
            147222    OPTIMIZE
            652381    OPTIMIZATION
           1114341    ARTIFICIAL
            822325    PROMOTER
           1634942    SET
            480091    LIBRARY
S6              12    S (OPTIMIZED OR OPTIMIZE OR OPTIMIZATION OR ARTIFICIAL) (3N) (PROMOTER
(2N) (SET OR LIBRARY))

?   s s6 and ((Lactic (w) acid (w) bacteria) or lactis or Bacillus or (coli) or
(Escherichia (w) coli) or pseudomonas or enterobacteriaceeae or prokaryotic or
procaryotic)
Processing
Processing
Processing
                12    S6
            229875    LACTIC
          12457652    ACID
           3076951    BACTERIA
             49480    LACTIC(W)ACID(W)BACTERIA
             49198    LACTIS
            409857    BACILLUS
           1536597    COLI
           1436606    ESCHERICHIA
           1536597    COLI
           1424998    ESCHERICHIA(W)COLI
            453482    PSEUDOMONAS
                 0    ENTEROBACTERIACEEAE
             82322    PROKARYOTIC
              3500    PROCARYOTIC
S7               5    S S6 AND ((LACTIC (W) ACID (W) BACTERIA) OR LACTIS OR BACILLUS OR (COLI)
OR (ESCHERICHIA (W) COLI) OR PSEUDOMONAS OR ENTEROBACTERIACEEAE OR PROKARYOTIC OR
PROCARYOTIC)

?   rd
>>>W:  Duplicate detection is not supported for File 391.
Records from unsupported files will be retained in the RD set.
S8               5    RD  (UNIQUE ITEMS)

?   t s8/medium/all
```

8/3/1 (Item 1 from file: 35) **Links**

Dissertation Abs Online

02057400 ORDER NO: AADAA-INQ97721

Gene expression profiling in enterohemorrhagic Escherichia coli

Author: Southward, Carolyn Marie

Degree: Ph.D.

Year: 2004

Corporate Source/Institution: University of Calgary (Canada) (0026)

Source: Volume 6512B of Dissertations Abstracts International.

PAGE 6181 . 300 PAGES

ISBN: 0-612-97721-8

8/3/2 (Item 1 from file: 155) **Links**
 Fulltext available through: USPTO Full Text Retrieval Options   SCIENCEDIRECT
MEDLINE(R)

15186073 **PMID:** 15560196
Development of an artificial promoter library for Escherichia coli.

De Mey Marjan; Van Nieuland Katja; Vandamme Erick J
Department of biochemical and microbial technology, Ghent University, Coupure links 653, B-9000 Ghent, Belgium.
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

8/3/3 (Item 1 from file: 357) <u>Links</u>
Derwent Biotech Res.

0328098 **DBA Accession No.: 2004-00390 PATENT**
Creating a library of artificial promoters comprises mixing oligonucleotides in a polymerase chain reaction with an insertion DNA cassette to obtain a library of double-stranded amplified products comprising artificial promoters artificial protein library construction and vector expression in host cell for use in gene expression level determination

Author: SOUCAILLE P
Patent Assignee: GENENCOR INT INC 2003
Patent Number: WO 200389605 Patent Date: 20031030 WPI Accession No.: 2003-854112 (200379)
Priority Application Number: US 374627 Application Date: 20020422
National Application Number: WO 2003US12045 Application Date: 20030418
Language: English

```
?  s s12
>>>W:   "S12" does not exist
S9          0    S S12

?  s s6
S10         12   S S6

?  rd
>>>W:   Duplicate detection is not supported for File 391.
Records from unsupported files will be retained in the RD set.
S11         7    RD   (UNIQUE ITEMS)

?  s s11 not pd>960823
Processing
Processing
Processing
>>>W:   File 24 processing for PD=960823 : PD=.
    started at PD=19960827 stopped at PD=20030416
File 34 processing for PD=960823 : PD=.
    started at PD=19960829 stopped at PD=20011111
One or more prefixes are unsupported
  or undefined in one or more files.
File 45 processing for PD=960823 : PD=.
    started at PD=19960824 stopped at PD=20030108
File 71 processing for PD=960823 : PD=.
    started at PD=000000 stopped at PD=030917
File 73 processing for PD=960823 : PD=.
    started at PD=000000 stopped at PD=030823
File 98 processing for PD=960823 : PD=.
    started at PD=19960824 stopped at PD=20021209
File 135 processing for PD=960823 : PD=.
    started at PD=19960826 stopped at PD=20050816
File 143 processing for PD=960823 : PD=.
    started at PD=19960824 stopped at PD=20030829
File 144 processing for PD=960823 : PD=.
    started at PD=1996082319960828 stopped at PD=20001106
File 357 processing for PD=960823 : PD=.
    started at PD=19960827 stopped at PD=20040515
            7    S11
    15859063     PD>960823
S12         5    S S11 NOT PD>960823

?  t s12/medium/all
```

12/3/1 (Item 1 from file: 5) <u>Links</u>
  Fulltext available through: <u>ScienceDirect (Elsevier)</u>   <u>USPTO Full Text Retrieval Options</u>   SCIENCEDIRECT
Biosis Previews(R)

0014601271   **Biosis No.: 200300557702**
Starch branching enzymes in sorghum (Sorghum bicolor) and barley (Hordeum vulgare): Comparative analyses of enzyme structure and gene expression.

Author: Mutisya Joel; Sathish P; Sun Chuanxin; Andersson Lena; Ahlandsberg Staffan; Baguma Yona; Palmqvist Sara; Odhiambo Benjamin; Aman Per; Jansson Christer (Reprint)
Author Address: Department of Plant Biology, The Swedish University of Agricultural Sciences, SE-75007, P.O. Box 7080, Uppsala, Sweden**Sweden
Author E-mail Address: christer.jansson@vbsg.slu.se

12/3/3 (Item 1 from file: 155) **Links**
  Fulltext available through:
MEDLINE(R)
15186073 **PMID:** 15560196
Development of an artificial promoter library for Escherichia coli.

De Mey Marjan; Van Nieuland Katja; Vandamme Erick J
Department of biochemical and microbial technology, Ghent University, Coupure links 653, B-9000 Ghent, Belgium.
Document type: Journal Article
Languages: ENGLISH
Main Citation Owner: NLM
Record type: MEDLINE; Completed

```
? artificial(3n) (promoter (2n) (set or library))
>>>E:  Unrecognizable command

?  s artificial(3n) (promoter (2n) (set or library))
       1114341    ARTIFICIAL
        822325    PROMOTER
       1634942    SET
        480091    LIBRARY
S13        10    S ARTIFICIAL(3N) (PROMOTER (2N) (SET OR LIBRARY))

?
?  rd
>>>W:  Duplicate detection is not supported for File 391.
Records from unsupported files will be retained in the RD set.
S14         5    RD   (UNIQUE ITEMS)

?  s (optimized or optimize or optimization or modified or randomized or randomize or
randomization or artificial) (s) (promoter (3n) (set or library))
        261094    OPTIMIZED
        147222    OPTIMIZE
        652381    OPTIMIZATION
       1518302    MODIFIED
       1028952    RANDOMIZED
          1694    RANDOMIZE
         90539    RANDOMIZATION
       1114341    ARTIFICIAL
        822325    PROMOTER
       1634942    SET
        480091    LIBRARY
S15       103    S (OPTIMIZED OR OPTIMIZE OR OPTIMIZATION OR MODIFIED OR RANDOMIZED OR
RANDOMIZE OR RANDOMIZATION OR ARTIFICIAL) (S) (PROMOTER (3N) (SET OR LIBRARY))

?  S ((OPTIMIZED OR OPTIMIZE OR OPTIMIZATION OR MODIFIED OR RANDOMIZED OR RANDOMIZE OR
RANDOMIZATION OR ARTIFICIAL) (S) (PROMOTER (3N) (SET OR LIBRARY)) (s)(linker or spacer))
        261094    OPTIMIZED
        147222    OPTIMIZE
        652381    OPTIMIZATION
       1518302    MODIFIED
       1028952    RANDOMIZED
          1694    RANDOMIZE
         90539    RANDOMIZATION
       1114341    ARTIFICIAL
        822325    PROMOTER
       1634942    SET
        480091    LIBRARY
         77242    LINKER
        103034    SPACER
S16         4    S ((OPTIMIZED OR OPTIMIZE OR OPTIMIZATION OR MODIFIED OR RANDOMIZED OR
RANDOMIZE OR RANDOMIZATION OR ARTIFICIAL) (S) (PROMOTER (3N) (SET OR LIBRARY)) (S)(LINKER
OR SPACER))

?  rd
>>>W:  Duplicate detection is not supported for File 391.
Records from unsupported files will be retained in the RD set.
S17         4    RD   (UNIQUE ITEMS)

?  t s17/medium/all
```

17/3/1 (Item 1 from file: 5) **Links**
Fulltext available through: USPTO Full Text Retrieval Options   SCIENCEDIRECT

0013658085   **Biosis No.:** 200200251596
Preparation of nested deletion mutants in the psi element of Mo-MuLV retroviral RNA to determine the potential dimerization sequence

Author: Burton J B (Reprint); Pal B K (Reprint)
Author Address: California State Polytechnic University, Pomona, CA, USA**USA
Journal: Abstracts of the General Meeting of the American Society for Microbiology   101 p 692-693 2001 2001
Medium: print
Conference/Meeting: 101st General Meeting of the American Society for Microbiology · Orlando, FL, USA   May 20-24, 2001; 20010520
Sponsor: American Society for Microbiology
ISSN: 1060-2011
Document Type: Meeting; Meeting Abstract
Record Type: Abstract
Language: English

17/3/2 (Item 1 from file: 357) <u>Links</u>
Derwent Biotech Res.

0328098 **DBA Accession No.: 2004-00390 PATENT**
Creating a library of artificial promoters comprises mixing oligonucleotides in a polymerase chain reaction with an insertion DNA cassette to obtain a library of double-stranded amplified products comprising artificial promoters artificial protein library construction and vector expression in host cell for use in gene expression level determination

Author: SOUCAILLE P
Patent Assignee: GENENCOR INT INC   2003
Patent Number: WO 200389605 **Patent Date:** 20031030 **WPI Accession No.:** 2003-854112 (200379)
Priority Application Number: US 374627 **Application Date:** 20020422
National Application Number: WO 2003US12045 **Application Date:** 20030418
Language: English

17/3/4 (Item 3 from file: 357) <u>Links</u>
Derwent Biotech Res.

0223864 **DBA Accession No.: 98-05461 PATENT**
New artificial promoter libraries
- for use in optimizing recombinant gene expression

Author: Hammer K
Corporate Source: Gentofte, Denmark.
Patent Assignee: Jenser P R   1998
Patent Number: WO 9807846 **Patent Date:** 980226 **WPI Accession No.:** 98-179062 (9816)
Priority Application Number: DK 96886 **Application Date:** 960823
National Application Number: WO 97DK342 **Application Date:** 970825
Language: English

? S S15 AND· ((LACTIC (W) ACID (W) BACTERIA) OR LACTIS OR BACILLUS OR (COLI) OR
(ESCHERICHIA (W) COLI) OR PSEUDOMONAS OR ENTEROBACTERIACEEAE OR PROKARYOTIC OR
PROCARYOTIC)
Processing
Processing
```
         103    S15
      229875    LACTIC
    12457652    ACID
     3076951    BACTERIA
       49480    LACTIC(W)ACID(W)BACTERIA
       49198    LACTIS
      409857    BACILLUS
     1536597    COLI
     1436606    ESCHERICHIA
     1536597    COLI
     1424998    ESCHERICHIA(W)COLI
      453482    PSEUDOMONAS
           0    ENTEROBACTERIACEEAE
       82322    PROKARYOTIC
        3500    PROCARYOTIC
```
S18   52   S S15 AND ((LACTIC (W) ACID (W) BACTERIA) OR LACTIS OR BACILLUS OR (COLI)
OR (ESCHERICHIA (W) COLI) OR PSEUDOMONAS OR ENTEROBACTERIACEEAE OR PROKARYOTIC OR
PROCARYOTIC)

? rd
>>>W: Duplicate detection is not supported for File 391.
Records from unsupported files will be retained in the RD set.
S19   23   RD   (UNIQUE ITEMS)

? S S19 NOT PD>960823
Processing
Processing
>>>W: File 24 processing for PD=960823 : PD=.
    started at PD=19960827 stopped at PD=20030416
File 34 processing for PD=960823 : PD=.
    started at PD=19960829 stopped at PD=20011111
One or more prefixes are unsupported
  or undefined in one or more files.
File 45 processing for PD=960823 : PD=.
    started at PD=19960824 stopped at PD=20030108
File 71 processing for PD=960823 : PD=.
    started at PD=000000 stopped at PD=030917
File 73 processing for PD=960823 : PD=.
    started at PD=000000 stopped at PD=030823
File 98 processing for PD=960823 : PD=.
    started at PD=19960824 stopped at PD=20021209
File 135 processing for PD=960823 : PD=.
    started at PD=19960826 stopped at PD=20050816
File 143 processing for PD=960823 : PD=.
    started at PD=19960824 stopped at PD=20030829
File 144 processing for PD=960823 : PD=.
    started at PD=1996082319960828 stopped at PD=20001106
File 357 processing for PD=960823 : PD=.
    started at PD=19960827 stopped at PD=20040515
          23   S19
    15859063   PD>960823
S20   18   S S19 NOT PD>960823

? S (OPTIMIZED OR OPTIMIZE OR OPTIMIZATION OR RANDOMIZED OR RANDOMIZE OR RANDOMIZATION OR
ARTIFICIAL) (S) (PROMOTER (3N) (SET OR LIBRARY))

```
            261094    OPTIMIZED
            147222    OPTIMIZE
            652381    OPTIMIZATION
           1028952    RANDOMIZED
              1694    RANDOMIZE
             90539    RANDOMIZATION
           1114341    ARTIFICIAL
            822325    PROMOTER
           1634942    SET
            480091    LIBRARY
S21          79    S (OPTIMIZED OR OPTIMIZE OR OPTIMIZATION OR RANDOMIZED OR RANDOMIZE OR
RANDOMIZATION OR ARTIFICIAL). (S) (PROMOTER (3N) (SET OR LIBRARY))

?  S s s20 and (OPTIMIZED OR OPTIMIZE OR OPTIMIZATION OR MODIFIED OR RANDOMIZED OR
RANDOMIZE OR RANDOMIZATION OR ARTIFICIAL) (S) (PROMOTER (3N) (SET OR LIBRARY))
Stop request submitted
               0    S S20
            261094    OPTIMIZED
            147222    OPTIMIZE
            652381    OPTIMIZATION
           1518302    MODIFIED
           1028952    RANDOMIZED
              1694    RANDOMIZE
             90539    RANDOMIZATION
           1114341    ARTIFICIAL
            822325    PROMOTER
           1634942    SET
            480091    LIBRARY
             103    ((((((((OPTIMIZED OR OPTIMIZE) OR OPTIMIZATION) OR MODIFIED) OR RANDOMIZED)
OR RANDOMIZE) OR RANDOMIZATION) OR ARTIFICIAL)...
S22         0    S S S20 AND (OPTIMIZED OR OPTIMIZE OR OPTIMIZATION OR MODIFIED OR
RANDOMIZED OR RANDOMIZE OR RANDOMIZATION OR ARTIFICIAL) (S) (PROMOTER (3N) (SET OR
LIBRARY))

?  S s20 and (OPTIMIZED OR OPTIMIZE OR OPTIMIZATION OR MODIFIED OR RANDOMIZED OR RANDOMIZE
OR RANDOMIZATION OR ARTIFICIAL) (S) (PROMOTER (3N) (SET OR LIBRARY))
              18    S20
            261094    OPTIMIZED
            147222    OPTIMIZE
            652381    OPTIMIZATION
           1518302    MODIFIED
           1028952    RANDOMIZED
              1694    RANDOMIZE
             90539    RANDOMIZATION
           1114341    ARTIFICIAL
            822325    PROMOTER
           1634942    SET
            480091    LIBRARY
             103    ((((((((OPTIMIZED OR OPTIMIZE) OR OPTIMIZATION) OR MODIFIED) OR RANDOMIZED)
OR RANDOMIZE) OR RANDOMIZATION) OR ARTIFICIAL)...
S23         18    S S20 AND (OPTIMIZED OR OPTIMIZE OR OPTIMIZATION OR MODIFIED OR RANDOMIZED
OR RANDOMIZE OR RANDOMIZATION OR ARTIFICIAL) (S) (PROMOTER (3N) (SET OR LIBRARY))

?  d s
Set     Items    Description
S1         80    S AU=HAMMER, K
S2        257    S AU=JENSEN, P
S3          0    S S1 AND S2
S4          2    S ((S1 OR S2) AND (PROMOTER (N)(SET OR LIBRARY)))
S5          2    RD  (unique items)
S6         12    S (OPTIMIZED OR OPTIMIZE OR OPTIMIZATION OR ARTIFICIAL) (3N) (PROMOTER
```